



JAN 31 2001

DOT-E 7774
(NINTH REVISION)

EXPIRATION DATE: December 31, 2002

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Pipe Recovery Systems, Inc.
Houston, TX
2. PURPOSE AND LIMITATION:
 - a. This exemption authorizes the transportation in commerce of bromine trifluoride in non-DOT specification cylinders. This exemption provides no relief from any Hazardous Materials Regulation (HMR) other than as specifically stated herein.
 - b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 172.301(c), 173.228 and 175.3 in that non-DOT specification cylinders are not authorized, except as specified herein.
5. BASIS: This exemption is based on the application of Pipe Recovery Systems, Inc. dated November 2, 2000, submitted in accordance with § 107.109.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identi- fication Number	Packing Group
Bromine trifluoride	5.1	UN1746	I, Hazard Zone B

7. SAFETY CONTROL MEASURES:a. PACKAGING -

(1) Prescribed packagings are non-DOT specification, nonrefillable, seamless cylinders manufactured from SAE 4140, 4135 or 4130 alloy steel tubing closed at each end with threaded plugs equipped with service openings. Each cylinder must conform with Pipe Recovery Systems, Inc. drawings 211017-000, 212051-000, 216022-000, 216018-000, 218018-000, 222023-000, 222041-000, 222045-000, 227136-000, 227137-000, 227185-000, 227169-000, 240038-000, 240031-000, or 240032-000 on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA). The cylinders range from 7 cubic inches to 80 cubic inches water capacity; 11/16 inch to 2.0 inches outside diameter; and 36 to 72 inches in length.

(2) Charge pressure may not exceed 700 psi at 130°F. The ratio of design burst pressure to charge pressure at 130°F must be greater than 40:1.

(3) Pressure relief devices are prohibited.

(4) Maximum permitted filling density is 75 percent.

b. TESTING - At the time of manufacture, each cylinder must be tested to a minimum of 5000 psi.c. OPERATIONAL CONTROLS -

(1) Drivers must have been instructed as to necessary safeguards and proper procedure in the event of unusual delay, fire or accident.

(2) Cylinders must be overpacked in a wooden box; however, not more than 6 cylinders may be packed per wooden box.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.

b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

c. MARKING - The marking requirements of § 172.301(c) are waived. Each wooden box must be marked "INSIDE CONTAINERS COMPLY WITH DOT-E 7774".

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, cargo vessel, and cargo aircraft only.10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel, aircraft or motor vehicle used to transport packages covered by this exemption. The shipper must furnish a copy of this exemption to the air carrier before or at the time the shipment is tendered.11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

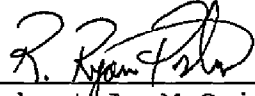
- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incident involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:



for Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

JAN 31 2001

(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.
Attention: DHM-31.

The original of this exemption is on file at the above office. Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

Copies of exemptions may be obtained from the AAHMS, U.S. Department of Transportation, 400 7th Street, S.W., Washington, DC 20590-0001, Attention: Records Center, 202-366-5046.

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